

# Joint ANL/FNAL Surface Processing Facility and ANL/Cornell Processing Update

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# Surface Processing Facility Status

## **Anteroom and Cleanroom (FNAL):**

### Remaining Work:

1. Cabinet and storage rack purchases.
2. General operational hardware purchases and installation.

**Scrubber:** Final Commissioning required to operate

## **Mezzanine:**

### Remaining work:

1. Install chiller (week of Feb. 6)
2. Install under-mezzanine lighting
3. Put storage shelves in place and stock shelves

# Joint Surface Processing Facility Status

## **Ultra Pure Water Plant: Procured**

### Remaining work:

1. Quality verification: Water circulates this week! Quality tests to follow.
2. Need \$ in ANL budget code for UPW shared maintenance costs.

## **Ultra Pure Water Distribution:**

### Remaining work:

1. System flush to remove assembly contamination.
2. System testing: As soon as Crossbow provides water

# BCP Facility Development Status cont...

## **BCP System (Mechanical/Electrical):**

### Remaining work:

1. Miscellaneous system tweaks: Ongoing
2. System testing: Ongoing

## **BCP System (Controls Testing):**

### Remaining work:

1. Programming modifications: Ongoing
2. System testing: Ongoing
3. Personnel training: Underway! Four operators will eventually be trained.

# BCP Facility Development Status cont...

## **BCP System Safety Review: Underway!**

### Remaining work:

1. ANL (Shepard) review of BCP system. Will begin week of Feb. 6.
2. ANL review and approval of Shepard/Kelly operations. Schedule is being set by ANL Phys. Div. safety officer. Review completion date not set.
3. ANL review of FNAL BCP System (after Shepard/Kelly receive approval)

# BCP Facility Development Status cont...

## **BCP System Hardware/Fixtures/Transport/Fixes:**

- Receiving heavy attention. Will continue at least through Jan.

## **3<sup>rd</sup> Harmonic Cavity Traveler Documentation:**

- Development process underway.
- All formal procedures are being written.

## **Cleanroom Setup:**

- Cleanroom hardware and storage purchases will begin within the month. Planning sessions with BCP System operators are ongoing.

# 3<sup>rd</sup> Harmonic Cavity Processing

## Hardware Testing:

- G150 etching jackets tested and modified
- BCP System etching jackets are being modified and tested

## Cavity Processing:

- Cavities #1 and #2 preliminary processing sequence underway!